Name:

Date:

Ms. Raskin gave the first test to her Statistics class, and the scores were as follows:

79 81 80 77 73 83 74 72 78 80 75 67

73 77 83 86 90 79 85 83 89 84 82 77

Mean = 79.46 Standard Deviation = 5.43

What score would be 1 standard deviation above the mean? (Do not round.)

What score would be 1 standard deviation below the mean? (Do not round.)

**How many** students scored between the two scores above (+ or – 1 standard deviation away from the mean)?

**What percent** of students scored + or – 1 standard deviation away from the mean?

What score would be 2 standard deviations above the mean? (Do not round.)

What score would be 2 standard deviations below the mean? (Do not round.)

**How many** students scored between the two scores above (+ or – 2 standard deviations away from the mean)?

**What percent** of students scored + or – 2 standard deviations away from the mean?

What score would be 3 standard deviations above the mean? (Do not round.)

What score would be 3 standard deviations below the mean? (Do not round.)

**How many** students scored between the two scores above (+ or – 3 standard deviations away from the mean)?

**What percent** of students scored + or – 3 standard deviations away from the mean?

If Diamond scored an 86 on this test, how did she perform **relative** to her classmates?

If Jordan scored a 72 on this test, how did he perform **relative** to his classmates?